



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

6356-1-1

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>Acct: Paul Kahn Edison, NJ 08817-08837</b>		US EPA Region II & Meadowlands Platina 290 Woodbridge Avenue		A. State Manifest Document Number <b>NJA 2880028</b>	
4. Generator's Phone ( 732 ) 821-6647		6. US EPA ID Number NJ 1010711629976		B. State Generator ID (Gen. Site Address) <b>890 Patterson Plank East Rutherford, NJ</b>	
5. Transporter 1 Company Name <b>S J Transportation Co</b>		7. Transporter 2 Company Name		C. State Trans. ID-NJDEP <b>032178</b> Decal No.- <b>81695V</b>	
8. US EPA ID Number		9. Designated Facility Name and Site Address <b>E.I. DuPont DeMours &amp; Co., Inc. Chambers Works Waste Water Treatment Deerwater, NJ 08023</b>		D. Transporter's Phone (609) 769-2741	
10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) <b>RM WASTE Corrosive liquid, acidic, inorganic, U.N.S. (Sulfuric Acid, Nitric Acid, etc.) 8, UN3264 H1, (2002) (NITRIC ACID) (D007, D008)</b>		E. State Trans. ID-NJDEP	
12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
0 0 1 1 1 1		0 1 8 5 0 G		2 1 0 2	
J. Additional Descriptions for Materials Listed Above (L,C) <b>NITRIC Acid Also D007, D008</b>		K. Handling Codes for Wastes Listed Above <b>T01</b>		04C	
15. Special Handling Instructions and Additional Information <b>a. WTE#EC1681, Approval#ON06356 b. ERC7154, For Emergency Response: 732-548-8430</b>		Released 001		04C	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <b>PAUL L. KAHN</b>		Signature <i>Paul L. Kahn</i>		Month Day Year <b>10 06 99</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>MICHAEL W. DIKS</b>		Signature <i>Michael W. Diks</i>		Month Day Year <b>10 06 99</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space		449009 			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>JOHN HOPE</b>					
Signature <i>John Hope</i>		Month Day Year <b>10 06 99</b>			

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

TRANS  
PORTER  
FACILITY

NJA 2880028

**State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421**

**Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)**

Form Approved. OMB No. 2050-0039. Expires 9-30-97

1. Generator's US EPA ID No.						Manifest Document No.		2. Page 1		Information in the shaded areas is not required by Federal law.									
INFORM HAZARDOUS WASTE MANIFEST																			
3. Generator's Name and Mailing Address Acton Paul R... 131... NJ 08877-0987										A. State Manifest Document Number <b>NJA 2880028</b>									
4. Generator's Phone ( ) 732 331-4617										B. State Generator's ID (Gen. Site Address) 030 ...									
5. Transporter 1 Company Name H J Transportation Co										C. State Trans. ID-NJDEP Decal No.-									
6. US EPA ID Number 1313071629976										D. Transporter's Phone ( ) 732-731-711									
7. Transporter 2 Company Name										E. State Trans. ID-NJDEP Decal No.-									
8. US EPA ID Number										F. Transporter's Phone ( )									
9. Designated Facility Name and Site Address J.I. DuPont Delaware & Co., Inc. Chambers Water Waste Treatment Delaware, DE 19803										G. State Facility's ID									
10. US EPA ID Number 1313071629976										H. Facility's Phone ( ) 302-477-4774									
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, HM)										12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.			
a. FJ WASTE Corrosive liquid, acidic, inorganic, u.s.c. (Sulfuric Acid) UN304 III. (NITRIC ACID) (DOT, DOD)										No.		Type							
b.																			
c.																			
d.																			
J. Additional Descriptions for Materials Listed Above (L.S.) NITRIC ACID DOT, DOD										K. Handling Codes for Wastes Listed Above									
a.										a.									
b.										b.									
c.										c.									
d.										d.									
15. Special Handling Instructions and Additional Information e. WT0760051, Approx 10W 06356 f. SH07154, Box Emergency Response 732 E40 - 9450										040									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name Michael W D, TKS										Signature Michael W D, TKS									
Month Day Year 10/4/99																			
17. Transporter 1 Acknowledgement of Receipt of Materials																			
Printed/Typed Name MICHAEL W D, TKS										Signature Michael W D, TKS									
Month Day Year 10/4/99																			
18. Transporter 2 Acknowledgement of Receipt of Materials																			
Printed/Typed Name										Signature									
Month Day Year																			
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																			
Printed/Typed Name										Signature									
Month Day Year																			

**In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172**

**NJA 2880028**

# Notification and Certification Form



DuPont Environmental Treatment

OW/DW No. ON 06350  
Release No. 001

(please fill in)

## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions

1. Generator's EPA ID No. NJD 002 405 736 Hazardous Waste Manifest No. NJA 2880028/99008  
Generator USEPA Region II @Meadowlands Plating Site  
Generator's Address 890 Patterson Plank Road Manifest Page No./Line Letter Ha PL  
East Rutherford, NJ 07073 (for drummed aqueous waste only)

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached? ☐ Yes ☐ Not available On File
3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed based on the options found on page 2.

TABLE A

Check Waste Code	U.S. EPA Hazardous Waste Code	Subcategory	Waste-water*	Non-waste-water	How must the waste be managed? (Enter the letter from page 2)
			(Check only one)		
	D001	Low TOC (<10% TOC)			
	D001	High TOC (≥ 10% TOC)	NA		
	D001	Oxidizer			
X	D002	Acid (pH ≤ 2)		X	A
	D002	Alkaline (pH ≥ 12.5)			
	D002	Other corrosives			
	D003	Reactive sulfides			
	D003	Reactive cyanides			
	D003	Water reactive			
	D003	Explosives (pretreated)			
	D003	Other reactives			
	D004	Arsenic			
	D005	Barium			
X	D006	Cadmium		X	A
X	D007	Chromium		X	A
	D008	Lead		X	A
	D009	Mercury		NA	
	D009	Low Mercury <260 mg/kg Hg	NA		
	D010	Selenium			
	D011	Silver			

\*Wastewaters contain <1% TOC and <1% TSS.

# **Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)**

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed, based on the options below.

**TABLE B**

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste- water	Non- waste- water	HOW MUST THE WASTE BE MANAGED?
					(Check only one)
	Description	None			

*(Use Attachment I if more room is needed to list all applicable waste codes)*

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is D001 ignitable (other than the high TOC  $\geq$  10% subcategory), D002, D003, or D012-D043, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for nonhazardous waste which was hazardous (for these waste codes) as generated but rendered nonhazardous by pretreatment.

**\*HOW MUST THE WASTE BE MANAGED?** (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards at the original point of generation.

**GENERATOR'S CERTIFICATION [40 CFR 268.7(a)(3)(i)]**

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].

- ☐ The waste has been granted a Site-Specific Variance. \_\_\_\_\_
- ☐ The waste has been given a Case-by-Case Extension. \_\_\_\_\_
- ☐ The waste is subject to a National Capacity Variance. \_\_\_\_\_

- E. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and requires treatment of underlying hazardous constituents.

**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(iv)]**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.

**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(v)]**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2, have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

**CERTIFICATION**

I certify that to the best of my knowledge, the information provided in this document is true, accurate, and complete.

Authorized Signature

Title

Date

**GUIDE 154 - SUBSTANCES - TOXIC AND/OR CORROSIVE  
(NON-COMBUSTIBLE) RQ, Waste Corrosive Liquid, acidic, inorganic, n.o.s. (Boric  
POTENTIAL HAZARDS acid, Nickel Chloride) 8, UN3264, III (D002)**

**HEALTH**

- \* **TOXIC**; inhalation, ingestion, or skin contact with material may cause severe injury or death.
- \* Contact with molten substance may cause severe burns to skin and eyes.
- \* Avoid any skin contact.
- \* Effects of contact or inhalation may be delayed.
- \* Fire may produce irritating, corrosive and/or toxic gases.
- \* Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

**FIRE OR EXPLOSION**

- \* Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- \* Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
- \* Contact with metals may evolve flammable hydrogen gas.
- \* Containers may explode when heated.

**PUBLIC SAFETY**

- \* **CALL** Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- \* Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- \* Keep unauthorized personnel away.
- \* Stay upwind.
- \* Keep out of low areas.
- \* Ventilate enclosed areas.

**PROTECTIVE CLOTHING**

- \* Wear positive pressure self-contained breathing apparatus (SCBA).
- \* Wear chemical protective clothing which is specifically recommended by the manufacturer.
- \* Structural firefighters' protective clothing is recommended for fire situations **ONLY**; it is not effective in spill situations.

**EVACUATION**

**Spill**

- \* See the Table of Initial Isolation and Protective Action Distances for highlighted substances. For non-highlighted substances, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".

**Fire**

- \* If tank, rail car or tank truck is involved in a fire, **ISOLATE** for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

**EMERGENCY RESPONSE**

**FIRE**

**Small Fires**

- \* Dry chemical, CO2 or water spray.

**Large Fires**

- \* Dry chemical, CO2, alcohol-resistant foam or water spray.
- \* Move containers from fire area if you can do it without risk.
- \* Dike fire control water for later disposal; do not scatter the material.

**Fire involving Tanks or Car/Trailer Loads**

- \* Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- \* Do not get water inside containers.
- \* Cool containers with flooding quantities of water until well after fire is out.

- \* Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

- \* ALWAYS stay away from the ends of tanks.

#### **SPILL OR LEAK**

- \* ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- \* Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- \* Stop leak if you can do it without risk.
- \* Prevent entry into waterways, sewers, basements or confined areas.
- \* Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- \* DO NOT GET WATER INSIDE CONTAINERS.

#### **FIRST AID**

- \* Move victim to fresh air.
- \* Call emergency medical care.
- \* Apply artificial respiration if victim is not breathing.
- \* Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
- \* Administer oxygen if breathing is difficult.
- \* Remove and isolate contaminated clothing and shoes.
- \* In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- \* For minor skin contact, avoid spreading material on unaffected skin.
- \* Keep victim warm and quiet.
- \* Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.
- \* Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

6357/1 (2)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ0002405736	Manifest Document No. 411025	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Attn: Paul Kahn Edison, NJ 08817		USEPA Region II @ Meadowlands Plating 4890 Woodbridge Avenue		A. State Manifest Document Number <b>NJA 2880027</b>	
4. Generator's Phone ( ) 732 321-6617				B. State Generator's ID Number NJ0002405736	
5. Transporter 1 Company Name S J Transportation Co		6. US EPA ID Number NJ00071629976		C. State Trans. ID-NJDEP 03267	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone ((609)) 769-2741	
9. Designated Facility Name and Site Address E.I. DuPont De Nemours & Co., Inc. Chambers Works Waste Water Treatment Deepwater, NJ 08023		10. US EPA ID Number NJ00002385730		E. State Trans. ID-NJDEP	
				F. Transporter's Phone ( )	
				G. State Facility's ID	
				H. Facility's Phone ((609)) 540-2773	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, or Division, ID Number and Packing Group) HM		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. <b>HQ WASTE Corrosive liquid, acidic, inorganic, a.o.s. (Boric Acid, Nickel Chloride) 8, UN3264 III, (D002)</b>		b. <b>0 0 1 T T</b>		c. <b>03900</b>	d. <b>G</b>
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above (L,C) Boric Acid		K. Handling Codes for Wastes Listed Above TO 1			
a.		c.			
b.		d.			
15. Special Handling Instructions and Additional Information a. WTS#EC1581, Approval # OW-06357, Release# 001 b. ERG#154, For Emergency Response: 732-548-8730					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name PAUL L. KAHN		Signature Paul L. Kahn		Month Day Year 032999	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ALAN DAVIS		Signature Alan Davis		Month Day Year 032999	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name KENNETH J. SHAW					
Signature Kenneth J. Shaw				Month Day Year 033099	

NJA 2880027

# Notification and Certification Form



DuPont Environmental Treatment

OW/DW No. <u>06357</u>
Release No. <u>001</u>

(please fill in)

## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions

1. Generator's EPA ID No. NJD 002 405 736 Hazardous Waste Manifest No. NJA 2880027  
 Generator USEPA Region II @Meadowlands Plating Site  
 Generator's Address 890 Patterson Plank Road Manifest Page No./Line Letter 1 A  
East Rutherford, NJ 07073 (for drummed aqueous waste only)

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached? ☐ Yes ☐ Not available On File
3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed based on the options found on page 2.

TABLE A

Check Waste Code	U.S. EPA Hazardous Waste Code	Subcategory	Waste-water*	Non-waste-water	How must the waste be managed?
			(Check only one)		(Enter the letter from page 2)
___	D001	Low TOC (<10% TOC)	___	___	___
___	D001	High TOC (≥ 10% TOC)	NA	___	___
___	D001	Oxidizer	___	___	___
<u>X</u>	D002	Acid (pH ≤ 2)	___	<u>X</u>	<u>A</u>
___	D002	Alkaline (pH ≥ 12.5)	___	___	___
___	D002	Other corrosives	___	___	___
___	D003	Reactive sulfides	___	___	___
___	D003	Reactive cyanides	___	___	___
___	D003	Water reactive	___	___	___
___	D003	Explosives (pretreated)	___	___	___
___	D003	Other reactives	___	___	___
___	D004	Arsenic	___	___	___
___	D005	Barium	___	___	___
___	D006	Cadmium	___	___	___
___	D007	Chromium	___	___	___
___	D008	Lead	___	___	___
___	D009	Mercury	___	NA	___
___	D009	Low Mercury <260 mg/kg Hg	NA	___	___
___	D010	Selenium	___	___	___
___	D011	Silver	___	___	___

\*Wastewaters contain <1% TOC and <1% TSS.



# Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed, based on the options below.

TABLE B

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste- water	Non- waste- water	HOW MUST THE WASTE BE MANAGED?
			(Check only one)		Enter the letter from options below*
	Description	None			

(Use Attachment I if more room is needed to list all applicable waste codes)

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is D001 ignitable (other than the high TOC  $\geq$  10% subcategory), D002, D003, or D012-D043, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for nonhazardous waste which was hazardous (for these waste codes) as generated but rendered nonhazardous by pretreatment.

\*HOW MUST THE WASTE BE MANAGED? (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards at the original point of generation.

**GENERATOR'S CERTIFICATION [40 CFR 268.7(a)(3)(i)]**

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].

- ☐ The waste has been granted a Site-Specific Variance. \_\_\_\_\_
- ☐ The waste has been given a Case-by-Case Extension. \_\_\_\_\_
- ☐ The waste is subject to a National Capacity Variance. \_\_\_\_\_

- E. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and requires treatment of underlying hazardous constituents.

**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(iv)]**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.

**CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(v)]**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2, have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

**CERTIFICATION**

I certify that, to the best of my knowledge, the information provided in this document is true, accurate, and complete.

Authorized Signature

Title

Date

3/29/99

GUIDE 154 - SUBSTANCES - TOXIC AND/OR CORROSIVE  
(NON-COMBUSTIBLE) RQ,Waste Corrosive Liquid,acidic,inorganic,n.o.s. (Boric  
POTENTIAL HAZARDS acid,Nickel Chloride) 8,UN3264,III (D002)  
HEALTH

- \* TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death.
- \* Contact with molten substance may cause severe burns to skin and eyes.
- \* Avoid any skin contact.
- \* Effects of contact or inhalation may be delayed.
- \* Fire may produce irritating, corrosive and/or toxic gases.
- \* Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

FIRE OR EXPLOSION

- \* Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- \* Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
- \* Contact with metals may evolve flammable hydrogen gas.
- \* Containers may explode when heated.

PUBLIC SAFETY

- \* CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- \* Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- \* Keep unauthorized personnel away.
- \* Stay upwind.
- \* Keep out of low areas.
- \* Ventilate enclosed areas.

PROTECTIVE CLOTHING

- \* Wear positive pressure self-contained breathing apparatus (SCBA).
- \* Wear chemical protective clothing which is specifically recommended by the manufacturer.
- \* Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

EVACUATION

Spill

- \* See the Table of Initial Isolation and Protective Action Distances for highlighted substances. For non-highlighted substances, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".

Fire

- \* If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fires

- \* Dry chemical, CO2 or water spray.

Large Fires

- \* Dry chemical, CO2, alcohol-resistant foam or water spray.
- \* Move containers from fire area if you can do it without risk.
- \* Dike fire control water for later disposal; do not scatter the material.

Fire involving Tanks or Car/Trailer Loads

- \* Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- \* Do not get water inside containers.
- \* Cool containers with flooding quantities of water until well after fire is out.

- \* Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

- \* ALWAYS stay away from the ends of tanks.

#### SPILL OR LEAK

- \* ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

- \* Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

- \* Stop leak if you can do it without risk.

- \* Prevent entry into waterways, sewers, basements or confined areas.

- \* Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

- \* DO NOT GET WATER INSIDE CONTAINERS.

#### FIRST AID

- \* Move victim to fresh air.

- \* Call emergency medical care.

- \* Apply artificial respiration if victim is not breathing.

- \* Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

- \* Administer oxygen if breathing is difficult.

- \* Remove and isolate contaminated clothing and shoes.

- \* In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

- \* For minor skin contact, avoid spreading material on unaffected skin.

- \* Keep victim warm and quiet.

- \* Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

- \* Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>USEPA Region II @ Meadowlands Platina 2690 Woodbridge Ave., Attn: Paul Kahn Edison, NJ 08817</b>		4. Generator's Phone (732) 521-6617		A. State Manifest Document Number <b>NJA 2880212</b>		
5. Transporter 1 Company Name <b>S J Transportation Co</b>		6. US EPA ID Number <b>NJ D00711629976</b>		B. State Generator's ID (Gen. Site Address) <b>690 Patterson Plank East Rutherford, NJ</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID-NJDEP <b>X03217</b>		
9. Designated Facility Name and Site Address <b>E.I. DuPont DeNemours &amp; Co., Inc. Chambers Works Waste Water Treatment Despwater, NJ 08073</b>		10. US EPA ID Number <b>NJ D0010123185730</b>		D. Transporter's Phone (609) 769-2741		
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, HM)		12. Containers		13. Total Quantity		
a. <b>20 WASTE Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide) 8, UN3266, III (FOG, FOG)</b>		No. Type		14. Unit Wt/Vol		
b. <b>20 WASTE Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Nitric Acid) 8, UN3264, II (FOG, FOG), (FOG, FOG), (FOG, FOG)</b>		021 DF 01155 G		15. Waste No.		
c. <b>20 WASTE Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Nitric Acid) 8, UN3264, II (FOG, FOG), (FOG, FOG), (FOG, FOG)</b>		028 DF 011515 G				
d.						
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
a. <b>(L,C) Sodium Hydroxide, FOG</b>		a. <b>Ta1</b>				
b. <b>(L,C) Sulfuric acid, also D007, FOG, FOG</b>		b. <b>Ta1</b>				
15. Special Handling Instructions and Additional Information		F ERG# 154 For Emergency Response: ERG# 154 732-548-8730				
a. <b>WTS#EC181, Approval#DW00740, Release# 001</b>						
b. <b>Approval#DW00741, Release# 001</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <b>Neil J. Vonnell, USEPA - R2</b>		Signature <i>[Signature]</i>		Month Day Year <b>03/29/99</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <b>COLIN WARRON</b>		Signature <i>[Signature]</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name <b>COLIN WARRON</b>		Signature <i>[Signature]</i>		
19. Discrepancy Indication Space <b>Block 1, Line b. - Indicate FOG, move D002 to Block J.b.</b>						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name <b>Dennis H. Robinson</b>		Signature <i>[Signature]</i>		Month Day Year <b>03/29/99</b>		

State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-97

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>010001405736</b>		Manifest Document No. <b>99020</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>2890 Woodbridge Ave., Edison, NJ 08817</b>		4. Generator's Phone ( <b>732</b> ) <b>341-6017</b>		5. Transporter 1 Company Name <b>Transportation Co</b>		6. US EPA ID Number <b>010001405736</b>		7. Transporter 2 Company Name	
9. Designated Facility Name and Site Address <b>E.I. DuPont de Nemours &amp; Co., Inc. Chesboro Waste Water Treatment Chesboro, NJ 08019</b>		10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) <b>HM</b>		12. Containers		13. Total Quantity	
a. <b>100 WASTE Corrosive liquid, basic, inorganic, N.O.C. (Sodium Hydroxide) 8, UN1800, 11 (2002, 2009)</b>		b. <b>100 WASTE Corrosive liquid, acidic, inorganic, N.O.C. (Sulfuric Acid, Nitric Acid) 8, UN1804, 11 (2002, 2007, 2009, 2008, 2009)</b>		c. <b>100 WASTE Corrosive liquid, acidic, inorganic, N.O.C. (Sulfuric Acid, Nitric Acid) 8, UN1804, 11 (2002, 2007, 2009, 2008, 2009)</b>		d. <b>100 WASTE Corrosive liquid, acidic, inorganic, N.O.C. (Sulfuric Acid, Nitric Acid) 8, UN1804, 11 (2002, 2007, 2009, 2008, 2009)</b>		e. <b>100 WASTE Corrosive liquid, acidic, inorganic, N.O.C. (Sulfuric Acid, Nitric Acid) 8, UN1804, 11 (2002, 2007, 2009, 2008, 2009)</b>	
J. Additional Descriptions for Materials Listed Above <b>(1.5) Sodium Hydroxide, 100%</b>		K. Handling Codes for Wastes Listed Above <b>154</b>		14. Unit Wt/Vol <b>155</b>		15. Special Handling Instructions and Additional Information <b>C. 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785</b>			

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (509) 292-7172

**NJA 2880212**

Form Approved. OMB No. 2050-0039. Expires 9-3

**In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172**

# Notification and Certification Form



DuPont Environmental Treatment

OW/DW No.	DW00740
Release No.	001

(please fill in)

## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions

1. Generator's EPA ID No. NJD 002 405 736 Hazardous Waste Manifest No. NTA 2880212  
 Generator USEPA Region II @ Meadowlands Plating  
 Generator's Address 890 Patterson Plank Manifest Page No./Line Letter P2 11A  
East Rutherford, NJ (for drummed aqueous waste only)

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached? ☐ Yes ☐ Not available ☐ On File

3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed based on the options found on page 2.

TABLE A

Check Waste Code	U.S. EPA Hazardous Waste Code	Subcategory	Waste-water*	Non-waste-water	How must the waste be managed?
			(Check only one)		(Enter the letter from page 2)
___	D001	Low TOC (<10% TOC)	___	___	___
___	D001	High TOC (≥ 10% TOC)	NA	___	___
___	D001	Oxidizer	___	___	___
___	D002	Acid (pH ≤ 2)	___	___	___
___	D002	Alkaline (pH ≥ 12.5)	___	___	___
___	D002	Other corrosives	___	___	___
___	D003	Reactive sulfides	___	___	___
___	D003	Reactive cyanides	___	___	___
___	D003	Water reactive	___	___	___
___	D003	Explosives (pretreated)	___	___	___
___	D003	Other reactives	___	___	___
___	D004	Arsenic	___	___	___
___	D005	Barium	___	___	___
___	D006	Cadmium	___	___	___
___	D007	Chromium	___	___	___
___	D008	Lead	___	___	___
___	D009	Mercury	___	NA	___
___	D009	Low Mercury <260 mg/kg Hg	NA	___	___
___	D010	Selenium	___	___	___
___	D011	Silver	___	___	___

\*Wastewaters contain <1% TOC and <1% TSS.

# Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed, based on the options below.

TABLE B

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste- water	Non- waste- water	HOW MUST THE WASTE BE MANAGED?
					(Check only one)
	Description	None			
F008		X		X	A
F009		X		X	A

(Use Attachment I if more room is needed to list all applicable waste codes)

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is D001 ignitable (other than the high TOC  $\geq 10\%$  subcategory), D002, D003, or D012-D043, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for nonhazardous waste which was hazardous (for these waste codes) as generated but rendered nonhazardous by pretreatment.

\*HOW MUST THE WASTE BE MANAGED? (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards at the original point of generation.

## GENERATOR'S CERTIFICATION [40 CFR 268.7(a)(3)(i)]

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].

- ☐ The waste has been granted a Site-Specific Variance. \_\_\_\_\_
- ☐ The waste has been given a Case-by-Case Extension. \_\_\_\_\_
- ☐ The waste is subject to a National Capacity Variance. \_\_\_\_\_

- E. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and requires treatment of underlying hazardous constituents.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(iv)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(v)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2, have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

## CERTIFICATION

I certify that, to the best of my knowledge, the information provided in this document is true, accurate, and complete.

Authorized Signature

Title

Date



## GUIDE 154 - SUBSTANCES - TOXIC AND/OR CORROSIVE

(NON-COMBUSTIBLE) RQ, Waste Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric acid, Nitric acid) 8, UN3264, II (D002, D007, D008, F008, F009)

### HEALTH

- \* TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death.
- \* Contact with molten substance may cause severe burns to skin and eyes.
- \* Avoid any skin contact.
- \* Effects of contact or inhalation may be delayed.
- \* Fire may produce irritating, corrosive and/or toxic gases.
- \* Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

### FIRE OR EXPLOSION

- \* Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- \* Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
- \* Contact with metals may evolve flammable hydrogen gas.
- \* Containers may explode when heated.

### PUBLIC SAFETY

- \* CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- \* Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- \* Keep unauthorized personnel away.
- \* Stay upwind.
- \* Keep out of low areas.
- \* Ventilate enclosed areas.

### PROTECTIVE CLOTHING

- \* Wear positive pressure self-contained breathing apparatus (SCBA).
- \* Wear chemical protective clothing which is specifically recommended by the manufacturer.
- \* Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

### EVACUATION

#### Spill

- \* See the Table of Initial Isolation and Protective Action Distances for highlighted substances. For non-highlighted substances, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".

#### Fire

- \* If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### EMERGENCY RESPONSE

#### FIRE

##### Small Fires

- \* Dry chemical, CO2 or water spray.

##### Large Fires

- \* Dry chemical, CO2, alcohol-resistant foam or water spray.
- \* Move containers from fire area if you can do it without risk.
- \* Dike fire control water for later disposal; do not scatter the material.

##### Fire involving Tanks or Car/Trailer Loads

- \* Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- \* Do not get water inside containers.
- \* Cool containers with flooding quantities of water until well after fire is out.

- \* Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- \* ALWAYS stay away from the ends of tanks.

#### **SPILL OR LEAK**

- \* ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- \* Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- \* Stop leak if you can do it without risk.
- \* Prevent entry into waterways, sewers, basements or confined areas.
- \* Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- \* DO NOT GET WATER INSIDE CONTAINERS.

#### **FIRST AID**

- \* Move victim to fresh air.
- \* Call emergency medical care.
- \* Apply artificial respiration if victim is not breathing.
- \* Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
- \* Administer oxygen if breathing is difficult.
- \* Remove and isolate contaminated clothing and shoes.
- \* In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- \* For minor skin contact, avoid spreading material on unaffected skin.
- \* Keep victim warm and quiet.
- \* Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.
- \* Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

# Notification and Certification Form



DuPont Environmental Treatment

OW/DW No. DW00741

Release No. 001

(please fill in)

## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions

1. Generator's EPA ID No. NJD 002 405 736 Hazardous Waste Manifest No. NJA 2880212  
 Generator USEPA Region II @ Meadowlands Plating  
 Generator's Address 890 Patterson Plank Manifest Page No./Line Letter p.1 11B  
East Rutherford, NJ (for drummed aqueous waste only)

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached? ☐ Yes ☐ Not available ☐ On File

3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed based on the options found on page 2.

TABLE A

Check Waste Code	U.S. EPA Hazardous Waste Code	Subcategory	Waste-water* (Check only one)	Non-waste-water	How must the waste be managed? (Enter the letter from page 2)
___	D001	Low TOC (<10% TOC)	___	___	___
___	D001	High TOC (≥ 10% TOC)	NA	___	___
___	D001	Oxidizer	___	___	___
<u>X</u>	D002	Acid (pH ≤ 2)	___	<u>X</u>	<u>A</u>
___	D002	Alkaline (pH ≥ 12.5)	___	___	___
___	D002	Other corrosives	___	___	___
___	D003	Reactive sulfides	___	___	___
___	D003	Reactive cyanides	___	___	___
___	D003	Water reactive	___	___	___
___	D003	Explosives (pretreated)	___	___	___
___	D003	Other reactives	___	___	___
___	D004	Arsenic	___	___	___
___	D005	Barium	___	___	___
___	D006	Cadmium	___	___	___
<u>X</u>	D007	Chromium	___	<u>X</u>	<u>A</u>
<u>X</u>	D008	Lead	___	<u>X</u>	<u>A</u>
___	D009	Mercury	___	NA	___
___	D009	Low Mercury <260 mg/kg Hg	NA	___	___
___	D010	Selenium	___	___	___
___	D011	Silver	___	___	___

\*Wastewaters contain <1% TOC and <1% TSS.

# Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed, based on the options below.

TABLE B

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste- water	Non- waste- water	HOW MUST THE WASTE BE MANAGED?
			(Check only one)		Enter the letter from options below
	Description	None			
F008		X		X	A
F009		X		X	A

(Use Attachment I if more room is needed to list all applicable waste codes)

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is D001 ignitable (other than the high TOC  $\geq$  10% subcategory), D002, D003, or D012-D043, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for nonhazardous waste which was hazardous (for these waste codes) as generated but rendered nonhazardous by pretreatment.

\*HOW MUST THE WASTE BE MANAGED? (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards at the original point of generation.

## GENERATOR'S CERTIFICATION [40 CFR 268.7(a)(3)(i)]

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].

- ☐ The waste has been granted a Site-Specific Variance. \_\_\_\_\_
- ☐ The waste has been given a Case-by-Case Extension. \_\_\_\_\_
- ☐ The waste is subject to a National Capacity Variance. \_\_\_\_\_

- E. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and requires treatment of underlying hazardous constituents.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(iv)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(v)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2, have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

## CERTIFICATION

I certify that, to the best of my knowledge, the information provided in this document is true, accurate, and complete.

Authorized Signature

Title

Date

## GUIDE 154 - SUBSTANCES - TOXIC AND/OR CORROSIVE

(NON-COMBUSTIBLE) RQ, Waste Corrosive liquid, basic, inorganic, n.o.s. (Sodium Hydroxide) 8, UN3266, III (F008, F009)

### HEALTH

- \* TOXIC; inhalation, ingestion, or skin contact with material may cause severe injury or death.
- \* Contact with molten substance may cause severe burns to skin and eyes.
- \* Avoid any skin contact.
- \* Effects of contact or inhalation may be delayed.
- \* Fire may produce irritating, corrosive and/or toxic gases.
- \* Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

### FIRE OR EXPLOSION

- \* Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- \* Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
- \* Contact with metals may evolve flammable hydrogen gas.
- \* Containers may explode when heated.

### PUBLIC SAFETY

- \* CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- \* Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- \* Keep unauthorized personnel away.
- \* Stay upwind.
- \* Keep out of low areas.
- \* Ventilate enclosed areas.

### PROTECTIVE CLOTHING

- \* Wear positive pressure self-contained breathing apparatus (SCBA).
- \* Wear chemical protective clothing which is specifically recommended by the manufacturer.
- \* Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

### EVACUATION

#### Spill

- \* See the Table of Initial Isolation and Protective Action Distances for highlighted substances. For non-highlighted substances, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".

#### Fire

- \* If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### EMERGENCY RESPONSE

#### FIRE

##### Small Fires

- \* Dry chemical, CO2 or water spray.

##### Large Fires

- \* Dry chemical, CO2, alcohol-resistant foam or water spray.
- \* Move containers from fire area if you can do it without risk.
- \* Dike fire control water for later disposal; do not scatter the material.

##### Fire involving Tanks or Car/Trailer Loads

- \* Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- \* Do not get water inside containers.
- \* Cool containers with flooding quantities of water until well after fire is out.

- \* Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- \* ALWAYS stay away from the ends of tanks.

#### **SPILL OR LEAK**

- \* ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- \* Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- \* Stop leak if you can do it without risk.
- \* Prevent entry into waterways, sewers, basements or confined areas.
- \* Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- \* DO NOT GET WATER INSIDE CONTAINERS.

#### **FIRST AID**

- \* Move victim to fresh air.
- \* Call emergency medical care.
- \* Apply artificial respiration if victim is not breathing.
- \* Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
- \* Administer oxygen if breathing is difficult.
- \* Remove and isolate contaminated clothing and shoes.
- \* In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- \* For minor skin contact, avoid spreading material on unaffected skin.
- \* Keep victim warm and quiet.
- \* Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.
- \* Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

0355/1 (7)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 01	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>USEPA Region II @ Meadowlands Plating</b> <b>Attn: Paul Kahn</b> <b>Edison, NJ 08817</b>		4. Generator's Phone (732) 321-6611		A. State Manifest Document Number <b>NJA 2880029</b>		
5. Transporter 1 Company Name <b>S J Transportation Co</b>		6. US EPA ID Number <b>N J D 0 7 1 6 2 9 9 7 6</b>		B. State Generator ID (Part of Address) Plank <b>East Rutherford, NJ</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans. ID-NJDEP <b>03217</b> Decal No. <b>81698</b>		
9. Designated Facility Name and Site Address <b>E.L. DuPont DeNemours &amp; Co., Inc.</b> <b>Chambers Works Waste Water Treatment</b> <b>Deepwater, NJ 08023</b>		10. US EPA ID Number <b>N J D 0 0 2 3 8 5 7 3 0</b>		D. Transporter's Phone ((609)) 769-2741 E. State Trans. ID-NJDEP Decal No. F. Transporter's Phone ( ) G. State Facility's ID H. Facility's Phone (609) 540-2773		
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, HM, ID Number and Packing Group) a. <b>RQ Hazardous waste, liquid, n.o.s. (D007, D008, F005, F009) 9, RA3082, III</b>				12. Containers No. <b>0101</b> Type <b>TIT</b>	13. Total Quantity <b>03900 G</b>	14. Unit Wt/Vol <b>0101</b>
J. Additional Descriptions for Materials Listed Above <b>(L) Chromium, also F009</b> a. <b>F008, L008</b>				K. Handling Codes for Wastes Listed Above a. <b>T01</b>		
15. Special Handling Instructions and Additional Information a. <b>WTS#EC1081, Approval OW-06355</b> b. <b>BRG#171, For Emergency Response: 732-548-8730</b> <b>04D</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name <b>PAUL L. KAHN</b> Signature <b>Paul Kahn</b> Month <b>03</b> Day <b>26</b> Year <b>99</b>						
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>ALAN DAVIS</b> Signature <b>Alan Davis</b> Month <b>03</b> Day <b>26</b> Year <b>99</b>						
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year						
19. Discrepancy Indication Space <b>ITEM I SHOULD READ F008</b>						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name <b>MICHAEL PENSABENE</b> Signature <b>Michael Pensabene</b> Month <b>03</b> Day <b>26</b> Year <b>99</b>						

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy, (609) 292-7172

NJA 2880029

State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421

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Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 01		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Actel Paul Hahn Hudson, NJ 08017				4. Generator's Phone (752) 121-6017				5. State Manifest Document Number <b>NJA 2380029</b>	
6. Transporter 1 Company Name J J Transportation Co				7. Transporter 1 US EPA ID Number NJ3D071639910				8. State Generator ID (Gen. Site Address) East Rutherford, NJ	
9. Designated Facility Name and Site Address E.I. DuPont de Nemours & Co., Inc. Chambers Works Waste Water Treatment Doerpmar, NJ 08023				10. US EPA ID Number NJ3D0002309730				9. State Trans. ID-NJDEP Decal No. -	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, HM) a. RQ Hazardous waste, liquid, n.o.s. (D007, D008) (004, 0009) D. HAZ002, III				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
				001 T 103900		G		D 007	
J. Additional Descriptions for Materials Listed Above (C) Chromium, also F000 a. 1000, 1000				K. Handling Codes for Wastes Listed Above a. c.		b. d.		e. f.	
15. Special Handling Instructions and Additional Information a. N000001001, Approved OW 21-555 b. HPS1171, For Emergency Response: 932 542 810									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name John C. Kline				Signature [Signature]				Month Day Year 9/24/99	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ALAN LAUIS				Signature [Signature]				Month Day Year 9/24/99	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year									

**In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172**

**NJA2880029**





Composite #5: Vats 39, 432

State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421



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Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-97

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 0 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Attn: Paul Kahn Edison, NJ 08817		USEPA Region II @ Meadowlands Plating 2890 Woodbridge Avenue				A. State Manifest Document Number <b>NJA 2880029</b>			
4. Generator's Phone ( 732 321-6617						B. State Generator's Part of Address East Rutherford, NJ			
5. Transporter 1 Company Name S J Transportation Co		6. US EPA ID Number NJ ID 071629976				C. State Trans. ID-NJDEP Decal No. 03217			
7. Transporter 2 Company Name		8. US EPA ID Number				D. Transporter's Phone ((609)) 769-2741			
9. Designated Facility Name and Site Address E.I. DuPont DeNemours & Co., Inc. Chambers Works Waste Water Treatment Deepwater, NJ 08023		10. US EPA ID Number NJ ID 002385730				E. State Trans. ID-NJDEP Decal No.			
						F. Transporter's Phone ( )			
						G. State Facility's ID			
						H. Facility's Phone (609 ) 540-2773			
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. X RQ Hazardous waste, liquid, n.o.s. (D007,D008 F008,F009) 9, NA3082, III		0 0 1 T T		0 3 9 0 0 G		D 0 0 1 7			
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above (L) Chromium, also F009 F008, D008									
K. Handling Codes for Wastes Listed Above									
15. Special Handling Instructions and Additional Information a. WTS#EC1881, Approval# OW-06355, Release# 001 b. ERG#171, For Emergency Response: 732-548-8730								04D	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize the waste generated and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name PAUL L. KAHN		Signature Paul L. Kahn		Month Day Year 03 26 99					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ALAN DAVIS		Signature Alan Davis		Month Day Year 03 26 99					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name		Signature		Month Day Year					

GENERATOR

TRANSPORTER

FACILITY

NJA 2880029

# Notification and Certification Form



DuPont Environmental Treatment

OW/DW No. 06355

Release No. 001

(please fill in)

## Chambers Works Wastewater Treatment Facility Land Disposal Restrictions

1. Generator's EPA ID No. NJD 002 405 736

Hazardous Waste Manifest No. NTA 288 0029 / 99001

Generator USEPA Region II @Meadowlands Plating Site

Generator's Address 890 Patterson Plank Road

Manifest Page No./Line Letter 01 / A

East Rutherford, NJ 07073 (for drummed aqueous waste only)

Note: The DuPont Chambers Works Wastewater Treatment Plant (WWTP) is regulated under the Clean Water Act.

2. Is waste analysis information attached? ☐ Yes ☐ Not available On File

3. In Table A, check (if applicable) the characteristic U.S. EPA hazardous waste codes that apply to this waste. For each waste code checked, identify whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed based on the options found on page 2.

TABLE A

Check Waste Code	U.S. EPA Hazardous Waste Code	Subcategory	Waste-water* (Check only one)	Non-waste-water	How must the waste be managed? (Enter the letter from page 2)
___	D001	Low TOC (<10% TOC)	___	___	___
___	D001	High TOC (≥ 10% TOC)	NA	___	___
___	D001	Oxidizer	___	___	___
___	D002	Acid (pH ≤ 2)	___	___	___
___	D002	Alkaline (pH ≥ 12.5)	___	___	___
___	D002	Other corrosives	___	___	___
___	D003	Reactive sulfides	___	___	___
___	D003	Reactive cyanides	___	___	___
___	D003	Water reactive	___	___	___
___	D003	Explosives (pretreated)	___	___	___
___	D003	Other reactives	___	___	___
___	D004	Arsenic	___	___	___
___	D005	Barium	___	___	___
___	D006	Cadmium	___	___	___
<u>X</u>	D007	Chromium	___	<u>X</u>	<u>A</u>
<u>X</u>	D008	Lead	___	<u>X</u>	<u>A</u>
___	D009	Mercury	___	NA	___
___	D009	Low Mercury <260 mg/kg Hg	NA	___	___
___	D010	Selenium	___	___	___
___	D011	Silver	___	___	___

\*Wastewaters contain <1% TOC and <1% TSS.

# Chambers Works Wastewater Treatment Facility Land Disposal Restrictions (cont.)

4. In Table B, identify all additional characteristic, listed, newly identified, and newly listed U.S. EPA hazardous waste codes that apply to this waste. For each waste code, identify the subcategory, indicate whether the waste is a wastewater or nonwastewater, and indicate how the waste must be managed, based on the options below.

TABLE B

U.S. EPA HAZARDOUS WASTE CODE(S) Per 40 CFR 261	SUBCATEGORY		Waste- water	Non- waste- water	HOW MUST THE WASTE BE MANAGED?
			(Check only one)		Enter the letter from options below*
	Description	None			
F008		X		X	A
F009		X		X	A

(Use Attachment I if more room is needed to list all applicable waste codes)

5. If this waste is a spent solvent (F001-F005), you MUST include Attachment II, Treatment Standards for F001-F005 Spent Solvents.
6. If this waste is a multisource leachate (F039), you may include Attachment III, Treatment Standards for F039 Multisource Leachate Wastes.
7. If this waste is D001 ignitable (other than the high TOC  $\geq$  10% subcategory), D002, D003, or D012-D043, you may include Attachment IV, Universal Treatment Standards. You may also include Attachment IV for nonhazardous waste which was hazardous (for these waste codes) as generated but rendered nonhazardous by pretreatment.

\*HOW MUST THE WASTE BE MANAGED? (Choose from the following options to complete Tables A and B.)

- A. Restricted waste requires treatment [40 CFR 268.7(a)(2)].
- B. Restricted waste meets applicable treatment standards at the original point of generation.

## GENERATOR'S CERTIFICATION [40 CFR 268.7(a)(3)(i)]

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

- C. Waste is newly listed or newly identified.
- D. Restricted waste is exempt from the Land Disposal Restrictions. Check the reason below and write in the date the waste is subject to prohibitions [40 CFR 268.7(a)(4)].

- ☐ The waste has been granted a Site-Specific Variance. \_\_\_\_\_
- ☐ The waste has been given a Case-by-Case Extension. \_\_\_\_\_
- ☐ The waste is subject to a National Capacity Variance. \_\_\_\_\_

- E. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and requires treatment of underlying hazardous constituents.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(iv)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

- F. Restricted waste has been pretreated on-site to remove the hazardous characteristic D001-D003 and/or D012-D043 and to treat underlying hazardous constituents to levels in 40 CFR 268.48 Universal Treatment Standards.

## CHARACTERISTIC WASTE - UNDERLYING HAZARDOUS CONSTITUENTS [40 CFR 268.7(b)(5)(v)]

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in § 268.2, have been treated on-site to meet the § 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

## CERTIFICATION

I certify that, to the best of my knowledge, the information provided in this document is true, accurate, and complete.

Authorized Signature

Title

Date

26 MAR -99

0110017

**GUIDE 171 - SUBSTANCES (LOW TO MODERATE HAZARD)**  
**POTENTIAL HAZARDS, RQ, Hazardous Waste Liquid, n.o.s. (D007, D008, F008, F009)**

**\* FIRE OR EXPLOSION 9, NA3082, III**

- \* Some may burn but none ignite readily.
- \* Some may polymerize (P) explosively when heated or involved in a fire.
- \* Containers may explode when heated.
- \* Some may be transported hot.

**HEALTH**

- \* Inhalation of material may be harmful.
- \* Contact may cause burns to skin and eyes.
- \* Inhalation of Asbestos dust may have a damaging effect on the lungs.
- \* Fire may produce irritating, corrosive and/or toxic gases.
- \* Runoff from fire control may cause pollution.

**PUBLIC SAFETY**

- \* CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- \* Isolate spill or leak area immediately for at least 10 to 25 meters (30 to 80 feet) in all directions.
- \* Keep unauthorized personnel away.
- \* Stay upwind.

**PROTECTIVE CLOTHING**

- \* Wear positive pressure self-contained breathing apparatus (SCBA).
- \* Structural firefighters' protective clothing will only provide limited protection.

**EVACUATION**

**Fire**

- \* If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

**EMERGENCY RESPONSE**

**FIRE**

**Small Fires**

- \* Dry chemical, CO2, water spray or regular foam.

**Large Fires**

- \* Water spray, fog or regular foam.
- \* Move containers from fire area if you can do it without risk.
- \* Do not scatter spilled material with high pressure water streams.
- \* Dike fire-control water for later disposal.

**Fire involving Tanks**

- \* Cool containers with flooding quantities of water until well after fire is out.
- \* Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- \* ALWAYS stay away from the ends of tanks.

**SPILL OR LEAK**

- \* Do not touch or walk through spilled material.
- \* Stop leak if you can do it without risk.
- \* Prevent dust cloud.
- \* Avoid inhalation of asbestos dust.

**Small Dry Spills**

- \* With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

**Small Spills**

- \* Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Large Spills**

- \* Dike far ahead of liquid spill for later disposal.
- \* Cover powder spill with plastic sheet or tarp to minimize spreading.
- \* Prevent entry into waterways, sewers, basements or confined areas.

#### **FIRST AID**

- \* Move victim to fresh air.
- \* Call emergency medical care.
- \* Apply artificial respiration if victim is not breathing.
- \* Administer oxygen if breathing is difficult.
- \* Remove and isolate contaminated clothing and shoes.
- \* In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- \* Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421



Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-9

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 0 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address USEPA Region II @ Meadowlands Plating Attn: Paul Kahn Edison, NJ 08817		2890 Woodbridge Avenue		A. State Manifest Document Number <b>NJA 2880027</b>		
4. Generator's Phone ( 732 321-6617		5. Transporter 1 Company Name S J Transportation Co		B. State General Permit No. 890-Paterson Plank East Rutherford, NJ		
6. Transporter 1 US EPA ID Number NJ D 0 7 1 6 2 9 9 7 6		7. Transporter 2 Company Name		C. State Trans. ID-NJDEP 032999 Decal No. 81248		
8. Transporter 2 US EPA ID Number		9. Designated Facility Name and Site Address E.I. DuPont DeNemours & Co., Inc. Chambers Works Waste Water Treatment Deepwater, NJ 08023		D. Transporter's Phone ((609)) 769-2741		
10. US EPA ID Number NJ D 0 0 2 3 8 5 7 3 0		11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM a. X RQ WASTE Corrosive liquid, acidic, inorganic, n.o.s. (Boric Acid, Nickel Chloride) 8, UN3264 III, (D002)		E. State Trans. ID-NJDEP Decal No.		
12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		
0 0 1 TIT		0 3 9 0 0 G		D 0 0 2		
J. Additional Descriptions for Materials Listed Above (L,C) Boric Acid		K. Handling Codes for Wastes Listed Above				
a. b. c. d.		a. b. c. d.				
15. Special Handling Instructions and Additional Information a. WTS#EC1881, Approval# OW-06357, Release# 001 b. ERG#154, For Emergency Response: 732-548-8730						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name: PAUL L. KAHN Signature: [Signature] Month Day Year: 032999						
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: ALAN DAVIS Signature: Alan Davis Month Day Year: 032999						
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: Signature: Month Day Year:						
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name: Signature: Month Day Year:						



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421



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UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address USEPA Region II @ Meadowlands Plating  
2890 Woodbridge Ave., Attn: Paul Kahn  
Edison, NJ 08817

A. State Manifest Document Number

**NJA 2880212**

4. Generator's Phone ( 732 821-6617

B. State Generator's Name

East Rutherford, NJ

5. Transporter 1 Company Name  
S J Transportation Co

6. US EPA ID Number

N J D 0 7 1 6 2 9 9 7 1 6

C. State Trans. ID-NJDEP

Decal No. X 032

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone ((609)) 769-274

9. Designated Facility Name and Site Address

10. US EPA ID Number

E.I. DuPont DeNemours & Co., Inc.  
Chambers Works Waste Water Treatment  
Deepwater, NJ 08023

E. State Trans. ID-NJDEP

Decal No.

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (609) 540-2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

12. Containers

13. Total Quantity

14. Unit

15. Waste No.

a. X RQ WASTE Corrosive liquid, basic, inorganic, n.o.s. ( Sodium Hydroxide) 8, UN3266, III (F008, F009)

No. Type

Quantity

Unit

Waste No.

021 DF

01155

G

F 0 0 1 8

b. X RQ WASTE Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid, Nitric Acid) 8, UN3264, II (D002, D007, D008, F008, F009)

028 DF

01515

G

D 0 0 1 2

J. Additional Descriptions for Materials Listed Above

(L,C) Sodium Hydroxide, F009

K. Handling Codes for Wastes Listed Above

(L,C) Sulfuric acid, also D007, F008, F009

15. Special Handling Instructions and Additional Information

a. WTS#EC1881, Approval#DW00740, Release# 001  
b. Approval#DW00741, Release# 001

ERG# 154

F 04F + 04E  
ERG# 154 For Emergency Response:

732-548-8730

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generated and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Neil J. Vonnahme, USEPA - R2

Signature

Month Day Year

03/29/99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

COLIN WARRON

Signature

Month Day Year

03/29/99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

COLIN WARRON

Signature

Month Day Year

03/29/99

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year



State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 0 1	Information in the shaded is not required by Feder	
3. Generator's Name and Mailing Address USEPA Region II @ Meadowlands Plating Attn: Paul Kahn Edison, NJ 08817 08837		2890 Woodbridge Avenue		A. State Manifest Document Number <b>NJA 2880028</b>		
4. Generator's Phone ( 732 ) 321-6617		5. Transporter 1 Company Name S J Transportation Co		B. State Generator's Name East Rutherford		
6. Transporter 2 Company Name		7. Transporter 1 US EPA ID Number NJ D0071629976		C. State Trans. ID-NJDEP Decal No. 032		
8. Transporter 2 US EPA ID Number		9. Designated Facility Name and Site Address E.I. DuPont DeNemours & Co., Inc. Chambers Works Waste Water Treatment Deepwater, NJ 08023		D. Transporter's Phone (609) 769-2		
10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM a. RQ WASTE Corrosive liquid, acidic, inorganic, n.o.s. (Boric Acid, Nickel Chloride), III. (D002) (NITRIC ACID) (D007, D008)		E. State Trans. ID-NJDEP Decal No.		
12. Containers No. Type		13. Total Quantity 018510		14. Unit G		
15. Special Handling Instructions and Additional Information a. WTS#EC1881, Approval# ON 06356 b. ERG#154, For Emergency Response: 732-548-8730		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		K. Handling Codes for Wastes Listed Above		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 10/4/06		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 10/4/06		19. Discrepancy Indication Space		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day						

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172





State of New Jersey  
Department of Environmental Protection  
Hazardous Waste Regulation Program  
Manifest Section  
CN 421, Trenton, NJ 08625-0421



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 0 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Attn: Paul Kahn Edison, NJ 08817		USEPA Region II @ Meadowlands Plating 2890 Woodbridge Avenue		A. State Manifest Document Number <b>NJA 2880029</b>		
4. Generator's Phone ( 732 ) 321-6617		6. US EPA ID Number NJ ID 10 17 11 16 12 19 19 17 16		B. State Generator's Name East Rutherford, NJ		
5. Transporter 1 Company Name S J Transportation Co		8. US EPA ID Number		C. State Trans ID-NUDEP 03217 Decal No. 81698		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone ((609)) 769-2741		
9. Designated Facility Name and Site Address E.I. DuPont DeNemours & Co., Inc. Chambers Works Waste Water Treatment Deepwater, NJ 08023		12. Containers No. Type 0 0 1 1 TIT		13. Total Quantity 03900 G		
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) a. X RQ Hazardous waste, liquid, n.o.s. (D007, D008 F008, F009) 9, NA3082, III		14. Unit Wt/Vol D 0 0 1 7 1		15. Facility's Phone ((609)) 540-2773		
J. Additional Descriptions for Materials Listed Above (L) Chromium, also F009 F008, D008		K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information a. WTS#EC1881, Approval# OW-06355, Release# 001 b. ERG#171, For Emergency Response: 732-548-8730 04D						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize the waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name PAUL L. KAHN		Signature [Signature]		Month Day Year 03 26 99		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ALAN DAVIS		Signature [Signature]		Month Day Year 03 26 99		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year						